

## **Fairchild AFB FT004 Groundwater Sampling and Follow on Private Well Sampling Discussion, January 23, 2017**

### Offsite Private Well Sampling Decision Criteria

Collect and analyze samples from 4 boundary wells (MW-225 [6-16 ft bgs], MW-226 [15-16 ft bgs], MW-50 [6-16 ft bgs]), MW-100 [43.1-53.4 ft bgs]), and MW-3 (4-9 ft bgs)

#### *Decision Criteria*

1. If PFOS, PFOA or combined PFOS and PFOA exceed HA (0.07 µg/L) in samples collected from boundary wells.
  - Contact private well owners and arrange for sampling.
  - Collect samples from private wells
2. If PFOS, PFOA or combined PFOS and PFOA are non-detect or detected below HA in boundary wells.
  - Stakeholders to review source area well sampling (MW-3) results and need for collection of additional data to confirm results and need for private well sampling.

### Offsite Private Well Selection Criteria

Selected wells include:

1. All wells within area shown on Figure X
  - All wells were selected based on review of limited Washington Department of Ecology Well Inventory records for this area showing wells generally cased to about 20 ft bgs and are either open hole or screened from 20 ft bgs to total well depth.
  - Process of verifying wells shown on figure and identifying additional wells in the area is ongoing.
2. The proposed area of sampling (plotted on Figure X)
  - Area extends approximately 5,500 feet to the east and down gradient from the site and parallel to the “no name creek”. The area is rather wide to the north and south of the inferred groundwater flow direction and “no name creek”, however, the flow direction may fluctuate during the season as wells are pumped for irrigation or domestic use. Based on well log data these wells could potentially produce from depths ranging from 18 to 340 feet bgs and could influence shallow groundwater. It is our understanding that the nearest wells to the east beyond the proposed sampling area are located about 1 mile farther east.

### Expansion of Private Well Sampling Area

#### *Decision Criteria*

1. If PFOS and PFOA are detected above the HA in wells located near the boundaries of the initial private well sampling area, sampling of wells further downgradient of the area will be conducted. Proposed locations will be presented to Stakeholders for discussion.
2. If PFOS and PFOA are detected below the HA, further sampling may be needed. Evaluation of the need for additional sampling will be discussed with Stakeholders.

